

Friday September 15, 2023

7pm

License Testing 5:30pm

Officers and Appointees	2
Suggestion Box	2
President's Message	3
Election Announcement	4
PACIFICON 2023	5
Public Service Events	7
National Preparedness	9
Nationwide Alert Test	10
Maui Recovery Radio	12
Meeting Minutes	14
Training Classes	15
Lincoln Hamfest	17
Santa Rosa Hamfest	18
DATV Receivers for Sale	19
Radio Estate Sale	20
MOFD Open House	21
Ham Radio Outlet	23
Club Repeaters/Nets	24
Club Calendar	24

SEPTEMBER MEETING

BASIC CONTESTING

By Lee Zalaznik, KI6OY



KI6OY shows us how to get started as well as some tips and tricks to use during amateur radio contests.

*Our in-person meeting will also be held virtually, via the Zoom video system. The meeting access ID and password will be distributed via groups.io email announcement. The meeting will also be shown on the club digital amateur television repeater, which is live streamed at: <http://w6cxatv.mdarc.org/> and also live streamed on YouTube on the **Media MDARC** channel.*



PACIFICONSM 2023

ARRL Pacific Division Ham Radio Convention
Produced by the Mount Diablo Amateur Radio Club





We have many accomplished and experienced club members. After all, we are an ARRL Special Service Club! The club is looking for amateur radio or communications topics that you or someone you know could present at a future club meeting.

An alternative might be several short presentations on different topics made by multiple persons.

Please direct your suggestions to our Programs Chair Charles M. King, K3CMK, at chask1234.ck@gmail.com.

Your contribution is vital for the continued success of MDARC. We are eager to hear from you!

ALL MEMBERS ARE INVITED TO JOIN THE FREE CLUB E-MAIL GROUP AT:

<https://groups.io/g/MDARC>

Mount Diablo Amateur Radio Club W6CX
P.O. Box 23222 Pleasant Hill, CA 94523
(925) 288-1730 info@mdarc.org

The Carrier is a monthly publication of the Mount Diablo Amateur Radio Club (MDARC). It is the policy of the editor to publish all material submitted by the membership provided such material is in good taste, relevant to amateur radio and of interest to MDARC members, and provided space is available.

President - Ed Morales, KJ6KYT
Vice President - **vacant**
Secretary – Brian Lotter, KM6NGS
Treasurer - Gene Sylls, KG6EYE
Emergency Coordinator - Larry Loomer, KI6LNB

Directors At Large
 Trevor Hall, WA6JAU Cal Vasquez, K6VT
 Larry Bradley, KK6QPE Mike Warren, W6MEW

Membership Chair – Jan Kulisek, KM6NFC
mdarcmembership@mdarc.org

PACIFICON 2023
Chair: Julie Mah, WJ8MAH
Registration: Debbie Deeble, KN6DOM
Treasurer: Gene Sylls, KG6EYE
Secretary: Jeff Mah, N8MAH

COMMITTEE CHAIRS AND COORDINATORS

Annual Auction - **vacant**
Communications Trailer - Mike Warren, W6MEW
Communications Van MDARC-1 - Jim Tittle, K6SOE
Digital Media - Mike Patterson, N6JGA
Education & Training - John Primus, AF6RJ
Field Day - Larry Loomer, KI6LNB
Good & Welfare - Diana Sage, KA6TZU
Holiday Dinner - Misa Siemons, KJ6BUE
License Testing - Larry Loomer, KI6LNB
Outreach - Dick Wade, WM6G
Programs - Charles M. King, K3CMK
Public Service - Larry Loomer, KI6LNB
Radio Equipment Lending - Cal Vasquez, K6VT
Refreshments - Elizabeth Styles, KG6HLV
Scholarship - Janice Fujii, KG6VTD
Technical Committee - Jim Tittle, K6SOE
Volunteer Classes - Dick Wade, WM6G
W6CX Repeater Trustee - Jim Tittle, K6SOE
W6LGW Callsign Trustee - Larry Loomer, KI6LNB

The Carrier Newsletter
Editor - Matthew G. Vurek, N4DLA
n4dla_cs245@yahoo.com
Proofreader - Larry Loomer, KI6LNB
Printing & Distribution - Jan Kulisek, KM6NFC
Digital Amateur Television Help and Information:
 Fred Coe, WB6ASU wb6asu@icloud.com



President's Message

SEPTEMBER 2023

“The message from the emergency management community is that regardless of why the climate is changing, it is changing, and will affect how a community operates in the future.”

According to sources cited below, global temperatures are projected to increase by a significant amount. Over the past 50 years, the average temperature in the United States has increased by about 2°F. By the end of the century, global average temperatures are projected to increase 2.5°F to 11.5°F, depending on future emissions of heat-trapping gases.

Projected changes in long-term climate are expected to produce more frequent extreme events such as heat waves, wildfires, heavy downpours, intense hurricanes, infectious diseases, drought, and flooding, which will affect many aspects of life throughout the U.S., and the world.

The effects of climate changes would subject coastal areas to an increasing risk from sea-level rise and storm surge, thus threatening homes and infrastructure including water, sewer, transportation, and communication systems. Should current trends continue along their present path, many barrier islands and coastal marshes that protect the coastline and support ecosystems will be lost.

Climate change has already altered and will continue to alter the water cycle, affecting where, when, and how much water is available for all uses. In the U.S., mid-continental areas and the Southwest are particularly threatened by future drought and longer lasting dry seasons.

Research performed by the U.S. Global Change Research Program on the implications of climate change on the United States shows how it could affect emergency management. Climate change becomes particularly challenging when considered in combination with other drivers.

The scientific community and emergency management personnel recognize that storms are becoming more intense. They observe the effects of climate change in events such as intensified wildfires, higher sea levels, increased rainfall, storm surge and heat waves in areas not accustomed to it.

The anticipation of climate change impacts could demand a different approach to emergency management and response.

This may create a heavier burden on emergency responders, and a growing financial toll on businesses and homeowners. This is also going to effect how communications are going to be managed.

Emergency communications continues to be at the forefront of how information is passed and shared amongst first responders, volunteers, and the general public. As the impacts stated earlier increase in severity, modes of communications will be challenged. Speed of messaging will likely need to be increased as well as access to communication venues throughout the communities at risk.

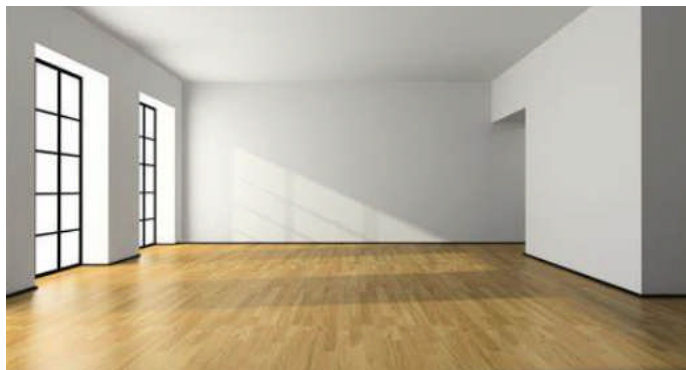
The program being prepared for the October 2023 MDARC General Meeting at Pacificon may be of interest to many of you who participate or are wanting more information about EmComm under the lens of climate change. We hope you can join us in San Ramon on October 20th.

73, Ed Morales, KJ6KYT, MDARC President

Sources: The Strategist Foresight Initiative and the Federal Emergency Management Agency

NOMINATIONS SOUGHT FOR 2024 CLUB OFFICERS

What a nice room...except it is empty. A room is just a room unless people occupy it and give it "life." The same could be said for MDARC's Board. Without members willing to occupy these positions, it is just an empty room waiting for somebody to enter it.



Board members represent all of us and because they represent us, we have the privilege of voting for the candidates we think will best govern our club. September marks the month when the Election Committee begins accepting nominations for Board officers. Know somebody you think would make a good Board member? Contact them and see if they are willing, then submit their name to the Election Committee. How about yourself? Want an opportunity to serve on the Board? Then nominate yourself. Don't be bashful!

Not sure what each Board member does? Then check out this MDARC website link. Also, you may wish to check our club bylaws since an amended version was recently approved that includes information on the timing for when nominations will be accepted.

We are looking to you to nominate candidates for each of these positions.

Officer	Term (years)
President	1
Vice President	1
Secretary	1
Treasurer	1
Emergency Coordinator	1
Director at Large two openings	2



Please provide your nominations to one of the members of the Election Committee below. 73, Larry Bradley, KK6QPE

ELECTION COMMITTEE

Larry Bradley, KK6QPE	kk6qpe@gmail.com
Dick Wade, WM6G	dickwade146@gmail.com
Pete Harris, KE6ZIW	pharris125@comcast.net

PACIFICON 2023 is on!! October 20-22, 2023

The PACIFICON team has been hard at work already, securing the San Ramon Marriott Hotel, planning and preparing for PACIFICON 2023.

What makes PACIFICON so great is the involvement of communities and entities that come together, share ideas, have discussions, and are involved in this amazing convention. We wish and hope we can continue this endeavor, but we need your help. The number of people volunteering is less than what we need.

It is only through the efforts of individuals who donate their time and energy to this convention that makes PACIFICON so special.

We hold 1 meeting a month (the 2nd Wednesday of every month) both in person and by zoom. (long distance can no longer keep us apart). It usually lasts about 2 hours.

We are in urgent need of a Forums Coordinator. The Forums Coordinator makes contact with various persons who speak or teach through the convention and then coordinating with the team, plans the various times and placements of speakers. We have a historical list of good previous speakers, some of whom very likely would be willing to do their presentations, or modified versions, again if contacted about it. You don't need to be a licensed amateur or a member of MDARC to participate as a volunteer.

If you are tired of the same speakers or want different information given during this convention then it is time to get involved. Sitting on the sidelines and complaining about something doesn't make change. You need to get involved!!!

Afraid?? Never done anything like it?? No time?? I can tell you that the PACIFICON team is one of the best teams to volunteer for. The knowledge that has accumulated through the years is mind blowing and every person on the team is willing to help you out in any way possible. There is also written documentation created by the previous chair, to follow and guide you through the process, and changes that you can make to help make PACIFICON fabulous. Don't be afraid!!!

Want to check things out first? I invite you to join our meetings by zoom or in person. Just send me an email and I will send you a link to join our next meeting or give you an address for the meeting if you wish to come in person.

Also, this year celebrates the 100th anniversary of the first meeting of the Royal Order of the Wouff Hong which is traditionally put on at ARRL Division / National conventions. Some of our six 6 actors and other assistant staff for this have been doing it since MDARC took over PACIFICON in 1992 with pre-recorded audio for this 45 minute meeting. For the 100th meeting we would like to do this with lines being memorized instead of using pre-recorded audio. This year, we would also like to start building a new team to take this over for future PACIFICON conventions. We need to come up with replacement costumes as the other ones that have been used since 1992. If we start now, it should be easy to memorize the parts and come up with costumes and the few simple props that are needed. You must be a licensed ham to be an actor. We will hold Zoom meetings to work on lines, and will have 1 or 2 in-person rehearsals in September and October (most likely in Lafayette). Please contact Lauren Styles, WA6CIE, at WA6CIE.HAM@GMAIL.COM if you can help with this.

So in closing.... If you want PACIFICON to continue and thrive, then get involved, because PACIFICON is not sustainable without volunteers.

Thank you, 73,

Julie Mah, WJ8MAH
2023 PACIFICON Chair

PACIFICONSM 2023



All Day Friday
Antenna Seminar

Saturday Breakfast
with Gordon West

Friday MDARC Mtg
EmComm: Yesterday,
Today, Tomorrow



Latest
Ham Radio
Equipment for Sale

Ham License Testing

One Day Technician
& General License
Prep Classes



ARRL PACIFIC DIVISION HAM RADIO CONVENTION

*Experience the
many stories of Pacificon!!*

Produced by the Mt. Diablo Amateur Radio Club

October 20, 21 & 22, 2023
San Ramon Marriott
2600 Bishop Drive
San Ramon, California 94583

**GENERAL ADMISSION:
\$30 IN ADVANCE - FOR ALL 3 DAYS!**

*Tickets at the door will cost \$35; 17 years old & under are free;
College Students with valid student ID (25 & under): \$5*

*** Some events have additional cost ***

If you need hotel accommodations
either call Marriott Hotel Reservations at
925-867-9200 by Sept 27, 2023 (per availability)
to ask for the Special Pacificon rate of \$159/night,
or reserve your room on-line at www.pacificon.org

**Go to the Pacificon Website for
Events - Schedules - Registration
WWW.PACIFICON.ORG**

*** Events are subject to change – check website **
For current "Pacificon Rules and Policies" see website
Page 6*

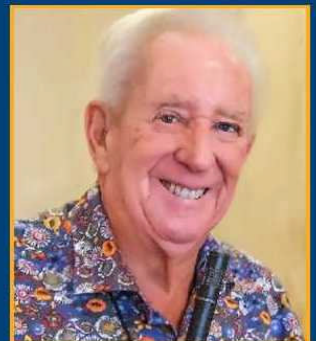


Outstanding
Technical Forums

Sunday
Swap Meet

Electronics
Kit Building

Scout JOTA-JOTI &
Merit Badge Class



Gordon West's
Ham Instructor Academy

Saturday Banquet
with Keynote Speaker

Get-On-The-Air
Special Events Station

T-Hunts!
Saturday & Sunday



ATTENTION, ALL PUBLIC SERVICE HAMS: OUR NEXT PUBLIC SERVICE EVENT OF THE YEAR IS HERE!!

The Firetrails 50M running race in the Oakland and Berkeley Hills has been scheduled for September 30, 2023.

The Firetrails 50M running race continues in our new home at Cull Canyon Regional Park, which is about a 5 minute drive from the old start/finish at Lake Chabot. The race will turn around at Skyline Gate, and return to Cull Canyon Regional Park.

We are looking for experienced communicators and beginning hams who will be teamed up at one of seven check points along the running route. We will report on the bib numbers of the first three male runners and the first three female runners, as well as the bib numbers of the last five runners.

We will also report to net control the bib numbers of any dropped runners and report on the supply needs of the aid station to which we are assigned.

All assignment locations are drive-up locations, or very close to parking lot locations.

We have been asked to provide communications for this event since cell phone coverage along the race route is weak to non-existent. Reliable communication is a must for this type of activity in this remote area.

Public service events are a good way for hams of all experience levels to Get-on-the-Air, to practice your communication talents, to serve a worthwhile cause, and to learn and practice the protocols which exist for effective emergency communication.

To be added to the ham radio roster, please contact Larry Loomer KI6LNB, at larylloomer@yahoo.com.

Thank you for considering joining us for this event.

73,
Larry Loomer, KI6LNB



UPCOMING PUBLIC SERVICE EVENTS

Firetrails 50M Confirmed (SEE PREVIOUS PAGE)

Saturday, September 30, 2023

Running Race in the Oakland Hills

Race Coordinator: Larry Loomer, KI6LNB <larylloomer@yahoo.com>

Scena Performance <adam.ray@scenaperformance.com>

Mt Diablo Challenge Bike Ride Confirmed

Sunday, October 1, 2023

Bike ride up Mount Diablo, Alamo, CA

Race Coordinator: Larry Loomer, KI6LNB <larylloomer@yahoo.com>

Valley Spokesmen Bicycle Club, Raghu Venkata, event lead

<http://www.valleyspokesmen.org/>

Mothers Against Drunk Driving (MADD) Walk Confirmed

Sunday, October 1, 2023

Walk from and to Civic Park, Walnut Creek, CA

Walk coordinator: Steve Donovan, WB6SAI, stevedono18@gmail.com

MADD Natasha Thomas natasha.thomas@madd.org

Diablo Summit Stomp Confirmed

Saturday, October 21, 2023

Running Race from Castle Rock Park, Walnut Creek, CA

Radio Coordinator: Larry Loomer KI6LNB <larylloomer@yahoo.com>

Brazen Racing <http://brazenracing.com/r/summitstompmain.html>

Public service events are a good way for hams of all experience levels to Get-on-the-Air, to practice your communication talents, to serve a worthwhile cause, and to learn and practice the protocols which exist for effective emergency communication.

To be added to the ham radio roster for the Mt. Diablo Challenge Bike Race, please contact Larry Loomer KI6LNB, at <larylloomer@yahoo.com>.

The Mothers Against Drunk Driving Walk will be held in Walnut Creek, with the starting and ending location at Civic Park in Walnut Creek, and the walking route out and back on the Iron Horse Trail. We have been asked to provide communications for this event since reliable communication is a must for this type of activity. To be added to the ham radio roster for the Mothers Against Drunk Driving Walk, please contact Steve Donovan, WB6SAI, at stevedono18@gmail.com.

Thank you for considering joining us for one of these events. 73, Larry Loomer, KI6LNB



Make a difference for yourself, your community and our nation. Do one of the following:



Learn your risks and responses



Make a family communications plan



Build an emergency supply kit



Get involved in preparedness in your community

Register at: www.ready.gov/pledge



FEMA and FCC Plan Nationwide Emergency Alert Test for Oct. 4, 2023

Release Date: August 3, 2023

Test Messages Will be Sent to All TVs, Radios and Cell Phones

WASHINGTON -- FEMA, in coordination with the Federal Communications Commission (FCC), will conduct a [nationwide test](#) of the [Emergency Alert System](#) (EAS) and [Wireless Emergency Alerts](#) (WEA) this fall.

The national test will consist of two portions, testing WEA and EAS capabilities. Both tests are scheduled to begin at approximately 2:20 p.m. ET on Wednesday, Oct. 4.

The WEA portion of the test will be directed to all consumer cell phones. This will be the third nationwide test, but the second test to all cellular devices. The test message will display in either English or in Spanish, depending on the language settings of the wireless handset.

The EAS portion of the test will be sent to radios and televisions. This will be the seventh nationwide EAS test.

FEMA and the FCC are coordinating with EAS participants, wireless providers, emergency managers and other stakeholders in preparation for this national test to minimize confusion and to maximize the public safety value of the test.

The purpose of the Oct. 4 test is to ensure that the systems continue to be effective means of warning the public about emergencies, particularly those on the national level. In case the Oct. 4 test is postponed due to widespread severe weather or other significant events, the back-up testing date is Oct. 11.

The WEA portion of the test will be initiated using [FEMA's Integrated Public Alert and Warning System \(IPAWS\)](#), a centralized internet-based system administered by FEMA that enables authorities to send authenticated emergency messages to the public through multiple communications networks. The WEA test will be

(continued on following page)



Page 1 of 2

administered via a code sent to cell phones.

This year the EAS message will be disseminated as a Common Alerting Protocol (CAP) message via the Integrated Public Alert and Warning System-Open Platform for Emergency Networks (IPAWS-OPEN).

All wireless phones should receive the message only once. The following can be expected from the nationwide WEA test:

- Beginning at approximately 2:20 p.m. ET, cell towers will broadcast the test for approximately 30 minutes. During this time, WEA-compatible wireless phones that are switched on, within range of an active cell tower, and whose wireless provider participates in WEA, should be capable of receiving the test message.
- For consumers, the message that appears on their phones will read: "THIS IS A TEST of the National Wireless Emergency Alert System. No action is needed."
- Phones with the main menu set to Spanish will display: "ESTA ES UNA PRUEBA del Sistema Nacional de Alerta de Emergencia. No se necesita acción."

WEA alerts are created and sent by authorized federal, state, local, tribal and territorial government agencies through IPAWS to participating wireless providers, which deliver the alerts to compatible handsets in geo-targeted areas. To help ensure that these alerts are accessible to the entire public, including people with disabilities, the alerts are accompanied by a unique tone and vibration.

Important information about the EAS test:

- The EAS portion of the test is scheduled to last approximately one minute and will be conducted with the participation of radio and television broadcasters, cable systems, satellite radio and television providers and wireline video providers.
- The test message will be similar to the regular monthly EAS test messages with which the public is familiar. It will state: "This is a nationwide test of the Emergency Alert System, issued by the Federal Emergency Management Agency, covering the United States from 14:20 to 14:50 hours ET. This is only a test. No action is required by the public."



Despite some American automobile manufacturers' "jihad" against equipping their vehicles with AM radio, disasters such as the Maui wildfires illustrate the need for AM broadcast band radio during recovery operations

HAWAII PUTS AM RADIO TO WORK ON MAUI

From *Radio World* August 22, 2023

<https://www.radioworld.com/news-and-business/headlines/hawaii-puts-am-radio-to-work-in-maui>

Emergency officials in Hawaii will use AM radio broadcast equipment to help communicate with the public during the ongoing wildfire recovery efforts on Maui.

The State of Hawaii Emergency Management Agency has purchased four RadioSTAT portable emergency advisory stations from Information Station Specialists (ISS) in Michigan, which also makes specialized systems for applications such as Traveler's Information Stations (TIS) and Highway Advisory Radio (HAR).

The Wireline Competition Bureau of the Federal Communications Commission last week granted the state an emergency authorization to use the stations immediately at four locations including a checkpoint and police and fire stations. They can be used on 1620, 1650, 1670 or 1700 kHz.

The first of the four 10-watt systems has shipped, according to ISS.

“These community-coverage radio stations are designed to inform residents and workers in Lahaina and at key checkpoints about where to find help and supplies and to update them on changing regulations that impact daily life, including curfews and safety requirements,” ISS wrote in an announcement.

Each station’s electronics are housed in portable cases. A fold-out antenna system allows a station to be set up in 10 minutes by one person. Messages typically are stored on a digital message player but the systems include an audio mixer for live messaging or to add other sources.

The station’s presence is typically announced to the public by portable signage. Vehicle radios typically receive broadcasts over 25 to 75 square miles. If AC power is not available the system can operate from a generator or battery pack.

Typical coverage radius over average soil is 3 to 5 miles with conventional whip-type AM antennas, according to Bill Baker of ISS. But for this application, he said the company is providing a taller, higher-efficiency antenna to counter the rather poor (volcanic) ground conductivity on Maui so the authorities can get the best range for the system’s 10 watts. “When used in coastal placements — where most of the population is located — they will also get help from the shoreline salt water to conduit the signal parallel. In the middle of the island between the two end volcanoes is lots of relatively level farmland that may have higher conductivity due to the agricultural activities there.”

NOTE: TIS WRHU-776 on 1670 kHz, described in the November/December 2020 issue of *The Carrier*, serves the city of Lafayette and portions of Orinda, Moraga, Pleasant Hill and Walnut Creek. Its on-line stream is at <http://bit.ly/LafayetteRadio1670AM>.



Electronic components include an AM transmitter, digital message player and audio mixer mounted in a rugged, portable case. Note the Diamond SWR/Watt meter on the left side.

(theradiosource.com photos)

An example of the RadioSTAT antenna being deployed in Hawaii. The antenna and ground plane are shown in 2021 atop Bunche Hall, the tallest building at the University of California-Los Angeles. This temporary station broadcast COVID-19 vaccination information.

MDARC General Meeting Minutes July 21, 2023

Held as hybrid Zoom and in-person meeting

- 1. Call to Order:** The meeting was called to order at 7:00 pm by the MDARC President Ed Morales KJ6KYT
 - a. Welcome to all: The President welcomed all attendees and indicated the positions of the emergency exits and rest-rooms.
 - b. Pledge of Allegiance: This was made by attendees.
 - c. Acknowledge new members: Skipped due to time constraints.
 - d. Acknowledge visitors: Skipped due to time constraints.
- 2. Approval of Minutes from the Last Meeting:** Larry Bradley KK6QPE, seconded by Mike Warren W6MEW, proposed a motion to approve. The June 2023 minutes were approved.
- 3. Officer Reports:**
 - a. The President: Ed, KJ6KYT reported that a meeting has been scheduled with Everest, the Landlord, on August 3rd. They are planning to negotiate for a better rental amount related to the fact that MDARC now occupies much less space than mentioned on the existing agreement.
 - b. The Vice President: Vacant.
 - c. The Secretary: Brian KM6NGS had no report.
 - d. The Treasurer: Since Gene KG6EYE was not present, Ed presented the financials for June 2023 as follows, **MDARC and PACIFICON**; Income \$5,552.50, Expenses \$695.77, Net Income \$4,856.73.
Account Balances; MDARC Checking \$32,024.60, MDARC Savings \$28,406.93, **Total MDARC** Checking and Savings \$60,431.53. Equipment Self-Insurance Fund \$60,916.68, Pacificon Checking Account \$29,315.26.
 - e. The Emergency Coordinator: Larry KI6LNB had no report under this section.
 - f. Directors at Large: Mike W6MEW, Trevor WA6JAU, Cal K6VT and Larry KK6QPE had nothing to report.
- 4. Committee Reports – Standing:**
 - a. Auction: Vacant
 - b. Communications Trailer: No report.
 - c. Digital Media: Grant Bowman K6CBK reported that there is a new LinkedIn page for MDARC.
 - d. Education and Training: John Primus AF6RJ sent his report by email.
 - e. Election: No report.
 - f. Field Day: Ed announced that there are photos of Field Day on the MDARC website
 - g. Holiday Banquet: No report.
 - h. License Testing: No report.
 - i. MDARC-1 (Van): No report.
 - j. Membership: Jan KM6NFC reported the numbers as follows; Paying members 241, All current members 287, New members 29, Renewals in the last 30 days 1, Past due 80, Lifetime and Honorary members 12.
 - k. Mesh Committee: No report.
 - l. Outreach: No report.
 - m. PACIFICON: Pete Harris KE6ZIW reported on a serious challenge that MDARC is facing with next year's PACIFICON. He stated that he has been involved with Pacificon since 1997 and that MDARC has presented PACIFICON since 1992. It is one of the best conventions in the country and it has been financially successful. There are at least 18 chairpersons that plan and run PACIFICON, however, 4 of those people are not able to do those jobs for 2024. Volunteers for the positions of Hotel Liason, Vendors, Forums and Registration are needed. If you volunteer, you will be able to shadow the existing people to learn the job. Since these positions are critical to the running of PACIFICON, we need to have volunteers before October 9 when a deposit of \$23,000 falls due. The Board needs to have these positions filled in order to decide to go ahead with PACIFICON 2024 or not. Please contact Julie Mah to volunteer. Her contact details can be found in the directory.
 - n. Programs: No report.
 - o. Public Service: No report.
 - p. Radio Lending Library: No report.
 - q. Rocky Ridge Repeater: No report.
- 5. Unfinished Business:** There was no unfinished business.
- 6. New Business:**
 - a. Approval of Amendments, Corrections and Edits of the Club Bylaws: Ed took a poll to find out how many people had had a chance to read the updated Bylaws and found that too few attendees had read the document. For this reason he postponed the vote to next month.
- 7. Adjourn Business meeting:** The business portion of the meeting was adjourned at 7:36 pm.

Respectfully submitted by Brian Lotter, KM6NGS Secretary, on August 13, 2023.

September 19, 2023 Ham Radio Auxiliary Class

EMCOMM: Preparation and Training

(an overview)

Presented by Bill Shaffer N6SGT

Bill was originally licensed as KE6DRG in 1994 and upgraded to general in 2014. After retirement he obtained the vanity call of N6SGT. He is currently studying for The Amateur Extra test.

Bill retired in 2013 following over 35 years as a paramedic and then police officer. He also volunteered for a short time as a firefighter for the San Mateo County Fire Department/CDF.

He has been involved in training as a paramedic field preceptor, guest lecturer, police field training officer, and sergeant in charge of the field training officer program. He wrote a manual for police officer report writing and taught that section in the new officer orientation program.

After retiring, while in the Sacramento area, he became involved in the ARES program and developed a training program for the radio operators of that group. He then became the Emergency Coordinator for the Sacramento County ARES group until he returned to the Bay Area.

Currently, Bill is a volunteer for the San Ramon Valley Fire Protection District as a Communications Reserve and with the Alameda County Sheriff's Office Communications Team which is a part of the Office of Emergency Services. He also regularly helps with public service events for MDARC and LARK.

- ✓ **There is a \$5.00 fee per student to attend.**
- ✓ **Presentation will Tuesday 9/19/23 at 7:00 pm and is presented In-person and simultaneously via Zoom.**
- ✓ **The In-Person classes will be presented at:**
 - Clayton Valley Presbyterian Church**
 - 1578 Kirker Pass Road**
 - Clayton, Ca 94517.**
- ✓ **Go to <https://www.mdarc.org/education-and-testing/class-details> to register and scroll down the page to the Auxiliary Classes section.**



SATURDAY, OCTOBER 7, 2023 - BENICIA, CA



AMATEUR RADIO LICENSE CLASS

Study Session followed by Exam



When: Saturday, October 7, 2023

8:30 AM - 5:00 PM

Test only: 1:00 PM \$14

Where: Benicia Senior Center

1201 East 2nd Street, Benicia

What: Technician Class (beginner's level)
General Class Upgrade
(for those already licensed as a Tech)

Fee: \$35.00 (Includes exam fee) (FCC Fee not included)

Register: beniciaarc.com/hamclass

Questions: HamRadioClass@BeniciaARC.com
or 707-742-3227 Voicemail or Text



Class size is limited and always fills up

Register and Pre-pay online for a guaranteed seat

No prep or prior study required

EXAM TOOLS by Signal Stuff

Prospective Hams should plan on attending a free Get-On-The-Air Class after passing their test, to become familiar with Amateur Radio operations

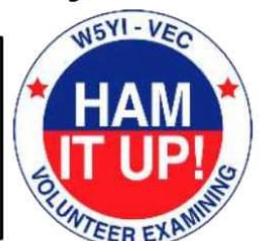
Reserve Your Space - Become a Ham in One Day!

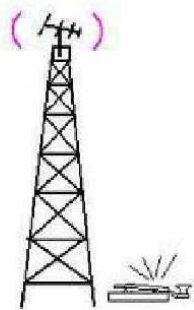


Can't make the upcoming class?
Check our website for future sessions.



Element 4 (Extra class)
You need only pay the test fee of \$14. We do not provide study materials for Element 4.





Seventeenth Annual Sacramento Valley Hamfest!



Hi-Tech

Saturday, Sept 16, 2023

Liquidators

0700 to 1200 Hours



Presented by Western Placer Amateur Radio Club

65 McBean Park Dr. (Hwy. 193) Lincoln CA



**Bandstand Parking Lot
Lots of Good Stuff!**



Drawing Prizes!



Bioenno Power
www.bioennopower.com



Vendor Setup 0600

Buy and Sell



HAM RADIO DELUXE SOFTWARE
The Radio Amateur's Best Asset

www.HamRadioDeluxe.com

**Ham Radio Related Stuff Only
No Inflation - Same price every year!
\$10 per space-Approximately 9' x 12'**

Bring Your Own Tables

Hamfest Info at WWW.WPARC.US



**Talk-in Frequency
147.300 (+) 67 Hz**



Please Support Our Sponsors

Sonoma County Radio Amateurs, Inc.

SCRA RADIO & ELECTRONIC FLEA MARKET



Date of Sale: 23 Sept 2023

Setup at 6:00am
Time of Sale: 8:00am
Sale Ends: 12 noon

**Location: Luther Burbank Art & Garden Center, 2050 Yulupa Ave,
Santa Rosa, Ca 95405**

Schedule of Events:

6am Setup
7am Pancake/Waffle Breakfast
8am Swap Meet Starts
8am ~ 9:30 Radio Testing
9:30 ~ 11:00am Amateur Radio Exam Session
11am Breakfast Ends
12pm Swap Meet Ends
3pm All participants must be cleared out leaving a clean parking lot.

(Breakfast costs:
(Adults 13 to 100 \$10.00
(Pre-Teens 5 to 12 \$ 5.00
(Under 5 FREE

AMATEUR RADIO EXAM TESTS: Please contact Brian n6iyy for registration.

MEMBER SELLERS: The cost to participate is \$10 per space. No last minute registrations will be allowed as space is limited. All items brought to the event must be removed when leaving as LBA&GC does not have trash pickup. No tables available.

Types of Sellers:

- *Ham radio enthusiasts*
- *Silent Key representatives*
- *Electronics enthusiasts*
- *Antique Radios*
- *Vintage Radios*
- *Test Equipment & Parts*

STREET PARKING OR OVERFLOW AT LDS CHURCH NEXT DOOR

Organization

Sonoma County Radio
Amateurs, Inc
P.O. Box 116
Santa Rosa, CA 95409

EVENT CONTACT:
Iola Beckley kk6hre
707-755-1630
iolabeckley104@gmail.com

Amateur Radio Exam Test
& Radio Testing:
Brian Torr n6iyy
n6iyy@arrl.net

Low-Cost Receivers for Digital Amateur Television Reception Available For Sale from Club Member KA3VDT

These are DVB-S2 receivers pre-programmed for our club's 1.2 GHz W6CX DATV repeater frequencies

Connect a 1.2 GHZ directional antenna, aim it at Mount Diablo's North Peak and watch the over the air repeater signal on your video monitor

Please contact Will Roberts at ka3vdt@gmail.com or visit <http://laser66.com/ham/>

To purchase a DATV transmitter, contact Fred Coe, WB6ASU, at wb6asu@icloud.com



A “licensed” amateur radio operator !

(from facebook.com)

Fun Contest !

California QSO Party
October 7-8, 2023

- 160-10M
- CW & SSB
- 40 Awards
- Club Competition
- Get on the air and have some fun!



Rules & Info:
[**CQP.org**](http://CQP.org)

ESTATE SALE

Astron VS-35M 2 to 15 volts 35 amp power supply \$160

Astron RS-35M 35 amp power supply &180

Ameritron AL-811H linear amplifier \$500

Drake L-4B linear amplifier with low hour Machlett 3-500ZG tubes \$800

Kenwood IF-232C computer interface \$20

Kenwood TS-2000 HF/VHF/UHF Transceiver \$800

Kenwood TS-450S HF Transceiver \$450

Kenwood PS-52 20 amp power supply \$180

Kenwood SP-23 external speaker for TS-450 \$100

Yaesu G-800DXA rotator controller only (no rotator) \$80

Diamond MX-72H HF-VHF/UHF Duplexer \$30

Vibroplex Keyer \$90

McElroy semi-automatic telegraph key \$150

Contact:

Kim Leong, N6YJ, 925-575-1941 or n6yj.qth@gmail.com



Moraga

FIRE DISTRICT

OPEN HOUSE

&

PANCAKE BREAKFAST

SATURDAY - OCTOBER 14, 2023

8:00 AM - 10:30 AM

FIRE STATION 41

1284 MORAGA WAY



ALL PROCEEDS BENEFIT:



Alisa Ann Ruch

Burn Foundation

MAGAZINE COVER...***FAIL!***



A recent edition of a national radio magazine (that has a circulation of over 100,000 subscribers and a paid professional production and editorial staff) was published with a cover photo that depicted several young adults gathered around a radio transceiver and a power supply. Problem was, whoever conceived the photo was unaware that radio equipment cannot operate without electrical power...an antenna would be useful, too. One wonders what the person holding the microphone expects to do with the otherwise unconnected equipment....

HAM RADIO OUTLET®

WWW.HAMRADIO.COM

Family owned and operated since 1971



FTDX101MP | 200W HF/50MHz Transceiver

- Hybrid SDR Configuration • Unparalleled 70 dB Max. Attenuation VC-Tune • New Generation Scope Display 3DSS • ABI (Active Band Indicator) & MPVD (Multi-Purpose VFO Outer Dial) • PC Remote Control Software to Expand the Operating Range • Includes External Power With Matching Front Speaker



FTDX10 | HF/50MHz 100 W SDR Transceiver

- Narrow Band and Direct Sampling SDR • Down Conversion, 9MHz IF Roofing Filters Produce Excellent Shape Factor • 5" Full-Color Touch Panel w/3D Spectrum Stream • High Speed Auto Antenna Tuner • Microphone Amplifier w/3-Stage Parametric Equalizer • Remote Operation w/optional LAN Unit (SCU-LAN10)



FT-991A | HF/VHF/UHF All Mode Transceiver

- Real-time Spectrum Scope with Automatic Scope Control • Multi-color waterfall display • State of the art 32-bit Digital Signal Processing System • 3kHz Roofing Filter for enhanced performance • 3.5 Inch Full Color TFT USB Capable • Internal Automatic Antenna Tuner • High Accuracy TCXO



FTDX101D | HF + 6M Transceiver

- Narrow Band SDR & Direct Sampling SDR • Crystal Roofing Filters Phenomenal Multi-Signal Receiving Characteristics • Unparalleled - 70dB Maximum Attenuation VC-Tune • 15 Separate (HAM 10 + GEN 5) Powerful Band Pass Filters • New Generation Scope Displays 3-Dimensional Spectrum Stream



FT-710 Aess | HF/50MHz 100W SDR Transceiver

- Unmatched SDR Receiving Performance • Band Pass Filters Dedicated for the Amateur Bands • High Res 4.3-Inch TFT Color Touch Display • AESS: Acoustic Enhanced Speaker System with SP-40 For High-Fidelity Audio • Built-in High Speed Auto Antenna Tuner



FT-891 | HF+50 MHz All Mode Mobile Transceiver

- Stable 100 Watt Output • 32-Bit IF DSP • Large Dot Matrix LCD Display with Quick Spectrum Scope • USB Port Allows Connection to a PC with a Single Cable • CAT Control, PTT/RTTY Control



FTM-300DR | C4FM/FM 144/430MHz Dual Band

- 50W Output Power • Real Dual Band Operation • Full Color TFT Display • Band Scope • Built-in Bluetooth • WIREX Portable Digital Mode/Fixed Mode with HRI-200



FT-2980R | Heavy-Duty 80W 2M FM Transceiver

- 80 watts of RF power • Large 6 digit backlit LCD display for excellent visibility • 200 memory channels for serious users



FTM-200DR | C4FM/FM 144/430MHz Dual Band

- 1200/9600bps APRS® Data Communications • 2" High-Res Full-Color TFT Display • High-Speed Band Scope • Advanced C4FM Digital Mode • Voice Recording Function for TX/RX



FTM-3100R | Rugged 65W 2M FM Transceiver

- Rugged & Compact • Crystal Clear Front Panel Audio • 220 Memory Channels • Weather Broadcast Reception • Severe Weather Alert Feature

FT-70DR C4FM/FM 144/430MHz Xcvt

- System Fusion Compatible • Large Front Speaker delivers 700 mW of Loud Audio Output • Automatic Mode Select detects C4FM or Fm Analog and Switches Accordingly • Huge 1,105 Channel Memory Capacity • External DC Jack for DC Supply and Battery Charging



FT-5DR C4FM/FM 144/430 MHz Dual Band

- High-Res Full-Color Touch Screen TFT LCD Display • Easy Hands-Free Operation w/Built-In Bluetooth® Unit • Built-In High Precision GPS Antenna • 1200/9600bps APRS Data Communications • Supports Simultaneous C4FM Digital • Micro SD Card Slot



FT-65R | 144/430 MHz Transceiver

- Compact Commercial Grade Rugged Design • Large Front Speaker Delivers 1W of Powerful Clear Audio • 5 Watts of Reliable RF Power Within a compact Body • 3.5-Hour Rapid Charger Included • Large White LED Flashlight, Alarm and Quick Home Channel Access



FTM-6000R | 50W VHF/UHF Mobile Transceiver

- All New User Operating Interface-E20-III (Easy to Operate-III) • Robust Speaker Delivers 3W of Clear, Crisp Receive Audio • Detachable Front Panel Can Be Mounted in Multiple Positions • Supports Optional Bluetooth® Wireless Operation Using the SSM-BT10 or a Commercially Available Bluetooth® Headset



- RETAIL LOCATIONS – Store hours 10:00AM - 5:30PM - Closed Sunday
- PHONE – Toll-free phone hours 9:30AM - 5:30PM
- ONLINE – WWW.HAMRADIO.COM
- FAX – All store locations
- MAIL – All store locations

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The radio

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(800) 327-1917

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(800) 444-7927

Contact HRO for promotion details. Toll-free including Hawaii, Alaska and Canada. All HRO 800-lines can assist you. If the first line you call is busy, you may call another. Prices, specifications and descriptions subject to change without notice.



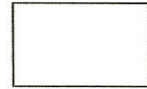
The Carrier

Newsletter of the Mt. Diablo Amateur Radio Club

P.O. Box 23222

Pleasant Hill, CA 94523

www.mdarc.org



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<https://www.facebook.com/mdarc.org>

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W6CX Nets

M-F 5:42 am Morning Muster 147.060+ 224.780- 441.325+

M-F 6:10am Commuter Net 147.060+ 224.780- 441.325+

Monday 8:00 pm SATERN Net 147.060+

Tuesday 7:30 pm Fat City 10 meter USB/CW Net 28.420 MHz

Tuesday 8:00pm Digital Practice Net 147.060+ 224.78- 441.325+

Wednesday 7:00 pm SKYWARN Net 147.060+

Wednesday 8:00pm Delta Amateur Radio Club Net 147.060+

Thursday 7:30 pm MDARC Club Net 147.060+

Thursday 8:00 pm Digital Amateur Television Net 147.060+

Club Voice Repeaters

147.060 MHz + / PL 100Hz

224.780 MHz - / PL 77Hz 441.325 MHz + / PL 100Hz

EchoLink: W6CX-R /133896, IRLP: 3057

DMR Repeater 144.925 offset plus 2.5 MHz color code 1

D-STAR 145.000 offset plus 2.5 MHz

<https://w6cx.dstargateway.org/>

DATV Internet Stream: <http://w6cxatv.mdarc.org>

YouTube Channel: [Media MDARC](#)

Contra Costa County Emergency Communications Nets

Every Thursday

6:30 pm HF Countywide 3.893 MHz LSB

6:45 pm West County 145.110-- (82.5 PL)

7:00 pm Central County 145.680 Simplex

7:00 pm East County 146.535 Simplex

7:00 pm South County 147.480 Simplex

7:20 pm Countywide 145.490-- (107.2 PL)

or 147.735-- (107.2 PL)

or 145.410-- (107.2 PL)

Concord Auxiliary Radio Emergency Service (CARES)

Wednesday 8:00pm 147.405 Simplex

Digital Amateur Television Repeater

Digital ATV Output: 1244.500

Digital ATV Inputs: 1292.500, 1273.0, 917.0, 430.0

Analog ATV Input: 1270.000 FM (PL 192.8)

September and October 2023 Club Calendar

Friday September 15, 2023 7:00pm MDARC General Meeting - Our Saviors Lutheran Church, 1035 Carol Lane, Lafayette
Also available on zoom.us via link sent from groups.io

Saturday October 7, 2023 8:00am MDARC Technical Committee Meeting - VIA VIDEO CONFERENCE

Monday October 2, 2023 7:00pm MDARC Board of Directors Meeting - VIA VIDEO CONFERENCE

Friday October 20, 2023 7:00pm MDARC General Meeting - AT PACIFICON ! Marriott Hotel, San Ramon